

Name: _____

Date: _____

FOIL and Factor solution (version 114)

FOIL the expressions shown below:

1. $(x - 4)(x + 9)$

$$x^2 + 5x - 36$$

2. $(x + 2)(x + 4)$

$$x^2 + 6x + 8$$

3. $(x + 4)(x - 8)$

$$x^2 - 4x - 32$$

4. $(x + 4)(x + 6)$

$$x^2 + 10x + 24$$

5. $(x - 8)(x + 9)$

$$x^2 + x - 72$$

Factor the expressions shown below:

6. $x^2 - 11x + 18$

$$(x - 2)(x - 9)$$

7. $x^2 + 3x - 28$

$$(x + 7)(x - 4)$$

8. $x^2 + 14x + 45$

$$(x + 5)(x + 9)$$

9. $x^2 - 1$

$$(x - 1)(x + 1)$$

10. $x^2 - 11x + 28$

$$(x - 7)(x - 4)$$